Remarks

The above Amendments and these Remarks are in reply to the Office Action mailed July 12, 2006 and the Examiner Interview of November 1, 2006. Applicant acknowledges with thanks Examiner Zhen's assistance in granting an interview on November 1, 2006, during the course of which interview various features of the claimed embodiments were discussed, the substance of which is included herein.

Claims 1-10, 13, 16-18, and 21-25 were pending in the Application prior to the outstanding Office Action. In the Office Action, the Examiner rejected claims 1-10, 13, 16-18, and 21-25. The present Reply cancels claims 1-3, 7-8, 17-18, and 21-23, replace claims 4-6, 9-10, 13, 16, and 24-25, and adds new claim 26, leaving for the Examiner's present consideration claims 4-6, 9, 13, 16, and 24-26. Reconsideration of the rejections is requested.

I. Summary of Examiner's Objections/Rejections

The Declaration was objected to as being inconsistent with the application data sheet.

The Title was objected to as being non-descriptive.

Claims 3 and 9 were objected to due to the use of undefined abbreviations.

Claims 1-10, 13, 16-18, and 21-25 were rejected under 35 U.S.C. §101 as being directed to non-statutory subject matter.

Claims 1-10, 13, 16, 21, 22 and 24 were provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-16 of copending Application No. 10/706,216.

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Claims 1-10, 13, 16-18, and 21-25 were rejected under 35 U.S.C. §103(a) as being unpatentable over Glass (U.S. Patent No. 6,993,774) in view of Dattke (U.S. Patent Application Publication No. 2004/0143835).

II.   Objection to Declaration

The Examiner has noted that the last name of the fourth inventor listed in the Declaration is inconsistent with the last name of the fourth inventor listed in the Application Data Sheet.

Applicant notes that the fourth inventor's name was spelled correctly on the Application Data Sheet, and that Applicant submitted a Request for Corrected Filing Receipt on May 12, 2004 to correct a typographical error in the Declaration. A Corrected Filing Receipt was mailed on September 7, 2004 indicating the correct name of the inventor, Rahul Srivastava.

III.   Response to Rejections

A Terminal Disclaimer is attached to this Reply to overcome the rejection for nonstatutory double patenting.

The claims were amended to better define embodiments of Applicant's invention. Independent Claim 26 states:

> A computer-readable medium carrying instructions for dynamically generating a wrapper object, comprising the steps of:
> receiving a resource adapter class at an application server;
> performing reflection on the resource adapter class to identify interfaces implemented by the resource adapter class;
> dynamically generating a wrapper class at runtime that extends from a superclass, wherein the superclass implements Java Database Connectivity, Java Messaging Service, or Java Connector Architecture interfaces, and the wrapper class implements the interfaces identified through reflection;

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instantiating a wrapper object from the wrapper class; and

providing the wrapper object to an application that requires support for the interfaces implemented by the resource adapter class.

Claim 26 defines a computer program product that carries instructions for dynamically generating a wrapper object that will allow applications to access extension features of third-party resource adaptors in addition to allowing the application server to monitor the activities between the applications and the resource adaptors. A wrapper object is generated dynamically at runtime by using reflection to identify the interfaces that a resource adaptor class implements, then creating a wrapper class that implements all of the interfaces identified through reflection. Some interfaces will be J2EE interfaces for JDBC, JMS, or JCA, for which access will be gained through a superclass. The wrapper class will be created to implement non-standard vendor-specific extension interfaces, and it will inherit standard interfaces from the superclass.

Glass (U.S. Patent No. 6,993,774) describes using reflection to generate a remote proxy for use in client-side communications between a client application and a server object. Glass does not describe a superclass that implements interfaces for JDBC, JMS, or JCA.

Dattke (U.S. Patent Application Publication No. 2004/0143835) describes Business Add-Ins, a method for allowing application extensions to be written for SAP without modifying the standard SAP application. Dattke only supports generating extension classes for a single vendor (SAP), whereas claim 1 supports generating wrapper objects for a wide range of data resources, any data resource that supports JDBC, JMS, or JCA.

For the above reasons, Applicant respectfully submits that the embodiment as defined in Claim 26 is neither anticipated by nor obvious in view of Glass and Dattke.

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Independent claims 10 and 24 are believed to be patentable for reasons similar to those discussed above with claim 1. Dependent claims 4-6, 9, 13, 23, and 25 are also believed to be patentable for the reasons above. It is also submitted that claims 4-6, 9, 13, 16, and 25 also add their own limitations which render them patentable in their own right. Applicant reserves the right to argue these limitations should it become necessary in the future.

Conclusion

In light of the above, it is respectfully submitted that all of the claims now pending in the subject patent application should be allowable, and a Notice of Allowance is requested. The Examiner is respectfully requested to telephone the undersigned if he can assist in any way in expediting issuance of a patent.

Enclosed is a PETITION FOR EXTENSION OF TIME UNDER 37 C.F.R. § 1.136 for extending the time to respond up to and including today, November 20, 2006.

The Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 06-1325 for any matter in connection with this response, including any fee for extension of time, which may be required.

Respectfully submitted,

Date: November 20, 2006

By: _____

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